Title (en)

AIRBORNE PLATFORM

Title (de)

LUFTPLATTFORM

Title (fr)

PLATE-FORME AÉRIENNE

Publication

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Application

EP 12715455 A 20120315

Priority

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Abstract (en)

[origin: WO2012125052A2] The invention pertains to aeronautical engineering and consists of an airborne platform that can be built to large sizes without requiring a rigid structure of comparable dimensions and which uses both buoyancy and the aerodynamic Magnus effect for lift. The aerodynamic lift is generated in lifting bodies (1), which also contain buoyant gas. The" lifting bodies (1) are stacked in a column, at the bottom of which there is a structural anchoring module (2) which also contains buoyant gas. ^The lifting bodies (1) and anchoring modules (2) are connected by slender structural elements which, when taken together as a whole form a non-rigid assembly. The platform may be tethered or configured as an aircraft, for which purpose other features may be added, such as a propulsion system (11), a crew gondola (6), cables to (7) and from (8) a swivel (12) and a payload (10) connected to said cables.

IPC 8 full level

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CPC (source: EP US)

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